The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Canceled)

- 2. (Original) An AM neighboring interference removing circuit for removing AM neighboring interference of an AM receiver, comprising:
- a first local oscillator for generating an oscillation output having a frequency of fp1;
- a second local oscillator for generating an oscillation output having a frequency of fp2;
- a first multiplier for multiplying an AM stereo modulation wave desired to be received, by the oscillation output from said first local oscillator;
- a second multiplier for multiplying the AM stereo modulation wave desired to be received, by the oscillation output from said second local oscillator;
- a first low-pass filter for removing high frequency components contained in an output of said first multiplier;
- a second low-pass filter for removing high frequency components contained in an output of said second multiplier;
- a subtractor for substracting an output of said second low-pass filter from an output of said first low-pass filter; and
- a low-pass filter for receiving an output of said subtractor and having a cut-off frequency of fc/2,

wherein fc is a carrier frequency of an interference AM modulation wave causing neighboring interference, fp1 > fp2, and fp1 - fc = fc - fp2.

- 3. (Original) An AM neighboring interference removing circuit for removing AM neighboring interference of an AM receiver, comprising:
- a first local oscillator for generating an oscillation output having a frequency of (fp1 + fa);
- a second local oscillator for generating an oscillation output having a frequency of (fp2 - fa);
- a third local oscillator for generating an oscillation output having a frequency of $(fp2 + 3f\alpha)$;
- a first multiplier for multiplying an AM stereo modulation wave desired to be received, by the oscillation output from said first local oscillator;
- a second multiplier for multiplying the AM stereo modulation wave desired to be received, by the oscillation output from said second local oscillator;
- a third multiplier for multiplying the AM stereo modulation wave desired to be received, by the oscillation output from said third local oscillator;
- a first low-pass filter for removing high frequency components contained in an output of said first multiplier;
- a second low-pass filter for removing high frequency components contained in an output of said second multiplier;
- a third low-pass filter for removing high frequency components contained in an output of said third multiplier;
- a subtractor for subtracting outputs of said second and third low-pass filters from an output of said first low-pass filter; and
- a band-pass filter for receiving an output of said subtractor and having a bandpass frequency in a range form (fc/2 - f α) to (fc/2 + f α),

wherein fc and (fc + $2f\alpha$) are carrier frequencies of interference AM modulation waves causing neighboring interference, being lower and higher by a frequency fa from an AM carrier frequency of the AM stereo modulation wave desired to be received, fp1 > fp2, and fp1 - fc = fc - fp2.